

Recombinant Human LDHC, GST-tagged

Cat. No. LDHC-258H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human LDHC(1 a.a. - 332 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.

Species Human

Source Wheat Germ

Description Lactate dehydrogenase C catalyzes the conversion of L-lactate and NAD to pyruvate and NADH in the final step of anaerobic glycolysis. LDHC is testis-specific and belongs to the lactate dehydrogenase family. Two transcript variants have been detected which differ in the 5' untranslated region.

Molecular Mass 62.7 kDa

AA Sequence
MSTVKEQLIEKLIEDDENSQCKITIVGTGAVGMACAISILLKDLADELALVDVALDKLKG
EMMDLQHGSLFFSTS KITSGKDYSVSANSRIVIVTAGARQQEGETRLALVQRNVAIM
KSIIPAIVHYS PDCKILVVS NPVDILTIVWKI SGLPVTRVIGSGCNLDSARFRYLIGEKL
GVHPTSCHGWIIGEHDSSVPLWSGVNVAGVALKTLDPKLGTDSDKE HWKNIHKQ
VIQSAYEIIKLGYSWAIGLSVMDLVGSILKNLRRVHPVSTMVKGLYGIKEELFLSIPC
VLGRNGV SDVVKINLNSEEEALFKKSAETLWNIQKDLIF

Applications ELISA; WB-Re; AP; Array

Notes Best use within three months from the date of receipt of this protein.

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 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	LDHC lactate dehydrogenase C [Homo sapiens (human)]
Official Symbol	LDHC
Synonyms	LDHC; lactate dehydrogenase C; CT32; LDH3; LDHX; L-lactate dehydrogenase C chain; LDH testis subunit; LDH-C; LDH-X; cancer/testis antigen 32; lactate dehydrogenase C4; lactate dehydrogenase c variant 1; lactate dehydrogenase c variant 3; lactate dehydrogenase c variant 4; NP_002292.1; EC 1.1.1.27; NP_059144.1
Gene ID	3948
mRNA Refseq	NM_002301
Protein Refseq	NP_002292
MIM	150150
UniProt ID	P07864
Chromosome Location	11p15.1
Pathway	Cysteine and methionine metabolism; Glycolysis / Gluconeogenesis; Propanoate metabolism

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Function

L-lactate dehydrogenase activity

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